



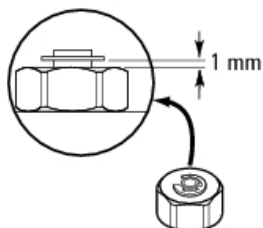
## Demo: Replace Liner, Septum, O-Ring

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### Replacing the inlet septum, liner and o-ring

Supplies you'll need: tweezer, septa, liners, inlet wrench (which came with your GC).

- 1) Loosen the Remove the septum retainer nut.
- 2) Use tweezers to remove the septum from the retainer nut. Do not gouge or scratch the interior of the septum head. Firmly press the new septum into the fitting.
- 3) Install the septum retainer nut finger-tight. Tighten it until the C-ring is about 1 mm above the nut, as in diagram:



- 4) Over-tightening the septum nut can cause contamination from the syringe coring the septum and depositing the pieces in the inlet.
- 5) Slide the locking tab forward (counterclockwise). Lift the septum assembly straight up and away from the inlet to avoid chipping or breaking the liner. Loosen the O-ring from the sealing surface with tweezers. Grasp the liner with tweezers and pull it out.
- 6) Inspect the surface of the gold seal for graphite or rubber septum contamination. If required, replace the gold seal.
- 7) Clean the inlet if there is visible or suspected contamination. Clean O-ring residue from sealing surface. Slide a new O-ring onto the replacement liner. Return the liner to the inlet, pushing it all the way in until the liner contacts the gold seal.
- 8) Line up the tab on the bottom of the septum assembly with the slot on the insert assembly and push down to connect. Slide the locking tab to the back.
- 9) Turn on the inlet. Allow the inlet and column to purge with carrier gas for 15 minutes before heating the inlet or the column oven.

Agilent recommends **Certified Non-Stick Bleed and Temperature Optimized (BTO) Inlet Septa**. They are plasma-treated to eliminate sticking and coring, and help to keep your inlet clean from external contamination. Agilent's septa are blister-packed for cleanliness and convenience.

- 11 mm BTO septa, 50 /pk: part number 5183-4757; 100/pk: part number 5183-4757-100
- 5 mm BTO septa through-hole for on-column injection in glass jar, 50/pk: part number 5183-4758

You can order your GC Maintenance Guide (Agilent publication #5989-7612EN), at

[www.agilent.com/chem/getguides](http://www.agilent.com/chem/getguides); For immediate information, check out

[www.agilent.com/chem/gcsupplies](http://www.agilent.com/chem/gcsupplies).